

Listing of Claims

The following listing of claims is intended to supersede all previously filed listings of claims. Changes are shown with deletions in ~~striketrough~~ and additions underlined. Kindly enter the following amendments to the claims:

Claim 1 (Currently Amended). A conveyor system comprising

a link assembly, said link assembly comprising:

a first link block having a first bore at one end thereof;

said first bore including a first pin at ~~one end thereof~~ therethrough;

said first link block having a second pin at another end thereof, said second pin being parallel to said first pin;

a first offset bushing coupled to the first pin, but not extending through said first bore;
and

a second link block coupled to the first offset bushing, the second link block movable with respect to the first link block upon rotation of the first offset bushing with respect to the second link block.

Claim 2 (Previously Amended). The system as claimed in claim 1 further comprising:

a plurality of pins;

a plurality of offset bushings coupled to the plurality of pins;

a plurality of link blocks, each coupled to one of said offset bushings at one end and coupled to one of said pins at another end;

the first link block connected to one of the plurality of link blocks by one of the first pin, the second pin, and the plurality of pins;

the second link block connected to one of the plurality of link blocks by one of the first pin, the second pin, and the plurality of offset bushings to form at least one of a two dimensional curve chain assembly, a three dimensional curve chain assembly, and a combination thereof, said

one of the plurality of offset bushings allowing tensioning control of the conveyor system.

Claim 3 (Previously Amended). The system as claimed in claim 2 wherein:

the first offset bushing has a conical surface provided therein; and

the first pin has a conical surface provided thereon for engaging with the conical surface to move the first link block relative to the second link block.

Claim 4 (Previously Amended). The system as claimed in claim 1 further comprising:

a spherical ball bushing coupled to the first pin; and

the first offset bushing having a spherical opening associated therewith for coupling to the spherical ball bushing for multi-directional movement of the first link block relative to the second link block.

Claim 5 (Previously Amended). The system as claimed in claim 1 further comprising:

bushings in the second link block for supporting the first pin;

a spherical ball bushing coupled to the first pin;

and

the first offset bushing having a spherical opening provided therein for coupling to the spherical ball bushing for multi-directional movement of the first link block relative to the second link block.

Claim 6 (Previously Amended). The system as claimed in claim 1 further comprising:

a spherical ball bushing coupled to the first pin; and

the first offset bushing having a spherical opening provided therein, the first offset bushing not requiring lubrication for movement of the spherical ball bushing or for movement with respect to the second link block.

Claim 7 (Previously Amended). The system is claimed in claim 1 further comprising:

a guide wheel associated with the first pin and

a raceway for guiding the guide wheel in movement of at least two dimensional, three dimensional, and a combination of two and three dimensional directions.

Claim 8 (Previously Amended). The system as claimed in claim 1 further comprising:

a slat; and

connectors for connecting the slat to the first link block in a fixed position relative thereto.

Claim 9 (Previously Amended). The system as claimed in claim 1 further comprising:

a slat;

a slat support member having a wheel;

connectors for connecting the slat to the slat support member and to the first link block;

and

a raceway for guiding the wheel movement in one of at least two dimensional, three dimensional, and a combination of two and three dimensional directions.

Claim 10 (Previously Amended). The system as claimed in claim 1 further comprising:

a slat;

a guide wheel associated with the first pin, the first pin at an angle to the slat; and

connectors for connecting the slat to the first link block in a fixed position relative thereto.